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Part Number: [0876781001](#)
Status: **Active**
Overview: Serial ATA Connectors
Description: 1.27mm Pitch Serial ATA Backplane Receptacle, Through Hole, Vertical, Extended Height, 0.76µm Gold (Au) Selective, 22 Circuits, Lead-Free

Documents:

[3D Model](#)
[Drawing \(PDF\)](#)
[Product Specification PS-87678-029-001 \(PDF\)](#)
[Packaging Specification PK-87678-100-001 \(PDF\)](#)
[RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

CSA LR19980
UL E29179

General

Product Family PCB Receptacles
Series [87678](#)
Application Board-to-Board, Signal
Overview [Serial ATA Connectors](#)
Product Name Serial ATA
UPC 822348693399

Physical

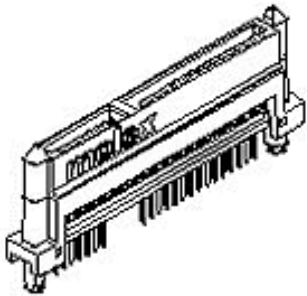
(p)ower-(s)ignal Configuration 15p - 7s
Circuits (Loaded) 22
Circuits (maximum) 22
Durability (mating cycles max) 500
Flammability 94V-0
Glow-Wire Capable No
Guide to Mating Part Yes
Lock to Mating Part Yes
Material - Metal Copper
Material - Plating Mating Gold
Material - Plating Termination Tin
Net Weight 1.897/g
Number of Rows 1
Orientation Vertical
PC Tail Length 3.45mm
PCB Locator Yes
PCB Retention None
PCB Thickness - Recommended 0.80mm, 2.50mm
Packaging Type Tray
Pitch - Mating Interface 1.27mm
Plating min - Mating 0.762µm
Plating min - Termination 2.540µm
Polarized to Mating Part Yes
Polarized to PCB Yes
Surface Mount Compatible (SMC) Yes
Temperature Range - Operating -40° to +105°C
Termination Interface: Style Through Hole - Compliant Pin

Electrical

Current - Maximum per Contact 1.5A
Voltage - Maximum 30V

Solder Process Data

Duration at Max. Process Temperature (seconds) 010



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

China RoHS

REACH SVHC

Not Contained Per -
D(2021)4569-DC (8
July 2021)

Halogen-Free

Status

Low-Halogen

For more information, please visit [Contact US](#)

China ROHS	Green Image
ELV	Not Relevant
RoHS Phthalates	Not Contained

Search Parts in this Series

[87678](#) Series

Mates With

[87679](#) , [87799](#) , [87703](#)

Lead-free	Process Capability	SMC&WAVE
Max. Cycles at Max. Process Temperature		001
Process Temperature max. C		260
Material Info		
Reference - Drawing Numbers		
Electrical Model Document		EE-87678-001-001
Packaging Specification		PK-87678-100-001
Product Specification		PS-87678-029-001
Sales Drawing		SD-87678-023-001

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